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DR 1065 SEPTEMBER 1979

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LEVEL

METEOROLOGICAL DATA REPORT

19702D GSRS Missile No. 023 Round No. B-38 8 September 1979

by

White Sands Meteorological Team

FILE COP

MO A O T O D O D O

ATMOSPHERIC SCIENCES LABORATORY WHITE SANDS MISSILE RANGE, NEW MEXICO

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UNITED STATES ARMY ELECTRONICS COMMAND

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3. Wind			
20. ABSTRACT (Continue on reverse side if necessary and identity by block number)			
Meteorological data gathered for the launching of the	ne 1970 2D GSRS. Missile		
Number 023, Round Number B-38 are presented in tabu	lar form.		
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INTRODUCTION

19702D GSRS , Missile Number 023 , Round Number B-38 , was launched from LC-33 , White Sands Missile Range (WSMR), New Mexico, at 0948 MDT, 8 September 1979 . The scheduled launch time was 0945 MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

a. Surface

- (1) Standard surface observations to include pressure, temperature (°C), relative humidity, dew point (°C), density (gm/m^3) , wind direction and speed, and cloud cover were made at the <u>LC-33</u> Met Site at T-0 minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.

b. Upper Air

(1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

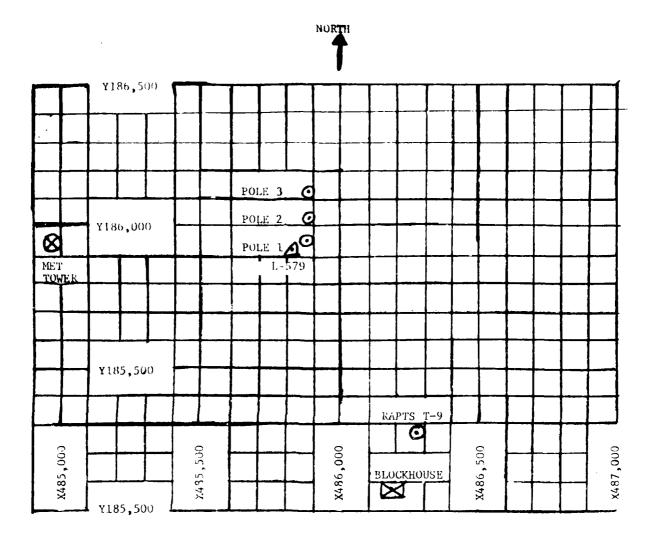
SITE AND ALTITUDE

LC-33 2040 Meters NICK 2040 Meters

(2) Air structure data (rawinsonde) were collected at the following Met Sites. Data were collected from surface to $\frac{101,000}{1000}$ feet in 500-feet increments.

SITE AND TIME

SMR 0845 MST



- 1. MET TOWER 4 Bendix Model T-20 Anemometers at 12 ft, 62 ft, 102 ft, and 202 ft with E/A recorders.
- 2. POLE ANEMOMETER Bendix Model T-120 with E/A recorders.
 - (a) Pole #1 38.7 ft
 - (b) Pole #2 53.0 it
 - (c) Pole #3 83.6 ft
- 3. RAPTS T-9 Radar Automatic Pilot-Balloon Tracking System T-9 Radar.

TABLE 1. Surface Observations taken at 0943 MDT, 8 September, at LC-33, 19702D GSRS, Missile Number 023, Round Number B-38.

ELEVATION	3977.30	FT/MSL
PRESSURE	884.2	MBS
TEMPERATURE	24.2	°C
RELATIVE HUMIDITY	53	7,
DEW POINT	13.9	°C
DENSITY	1028	GM/M ³
WIND SPEED	CALM	KTS
WIND DIRECTION	CALM	DEGREES
CLOUD COVER	2	Ac

LC-33 FIXED POLE ANEMOMETER MEASURED WINDS

POL	E #1		PC	LE #2		۲()LE #3	······································
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
30	220	04	-30	255	04	-30	284	04
-20	273	04	-20	279	04	-20	270	03
-10	259	03	-10	263	04	-10	253	02
0.0	258	04	0,0	254	04	0.0	306	02
+10	255	03	+10	267	03	+10	`306	02

POLE #1 = X485,874.29 Y185,958.90 H4018.74 38.7 ft. AGL POLE #2 = X485,874.93 Y186,012.00 H4033.57 53.0 ft. AGL POLE #3 = X485,877.29 Y186,116.06 H4063.92 &3.6 ft. AGL

TABLE 2		
TYPL 19702D GSRS	MISSILE NO. 023	ROUND NO.B-38
LAUNCHED FROM LC-33	DATE 8 September 1979 TIME 09	48 MDT
NOTE: WIND DIRECTIONS ARE	REFERENCED	

LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

	LEVEL #1 12 ft		LEVE 62 f	L #2	
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
-30	M	01	- 30	203	01
-20	М	01	-20	203	01
-10	М	02	-10	203	01
0.0	М	02	0.0	203	01
+10	М	01	+10	162	01
	/EL #3 2 ft		LEVEI 202		
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
- 30	000	00	-30	000	00
-20	000	00	-20	136	01
-10	000	00	-10	137	01
0.0	000	00	0.0	C00	00
+10	151	02	+10	136	01

WTSM COORDINATES: X484,982.64 Y185,957.73 H3983.00(base)

TABLE	3				
TYPE	19702D GSRS	MISSILE NO	0. 023	ROUND NO. B-38	_
LAUNC	HED FROM LC-33	DATE_8	September	1979 TIME 0948 MDT	
NOTE .	Uind dimontions a	no roforonced	l to true no	unth	

TABLE 4
RELEASED FROM <u>LC-33</u> DATE 8 Septe,ber 1979 TIME 0935 MDT
RELEASE POINT COORDINATES (WSTM) X=486,037.24 Y=182,350.16 H=3977.30
MISSILE TYPE 19702D GSRS MISSILE NO. 023 ROUND NO. B-38
MISSILE LAUNCHED FROM LC-33 DATE 8 September 1979 TIME 0948 MDT
NOTE: WIND DIRECTIONS ARE REFERENCED TRUE NORTH.
HEIGHT - METERS AGL

HEIGHT AGL	DIRECTION DEGREES	SPEED KTS
SFC		CALM
60	008	01
120	165	02
180	266	03
240	265	03
300	129	04
360	158	_08
420	123	07
480	126	05
540	122	05
600	113	07
660	110	05
720	105	04
780	105	05
840	104	03
900	102	05
960	102	05
1020	087	07
1080	099	06

HEIGHTS	DIRECTION	SPIED
AGL	DEGREES	
1140	090	12
1200	093	14
1260	085	14
1320	092	13
1380	088	14
1440	089	13
1500	078	14
1560	069	17
1620	080	15
1680	070	18
1740	070	15
1800	069	16
1860	082	16
1920	090	17
1380	084	19
2040	093	18
2100		
2160		
2220		

TABLE 5
RELEASED FROM LC-33 DATE 8 September 1979 TIME 0948 MDT
RELEASE POINT COORDINATES (WSIM) X=486,037.24 Y-182,350.16 H-3977.30
MISSILE TYPE 19702D GSRS MISSILE NO. 023 ROUND NO. B-38
MISSILE LAUNCHED FROM LC-33 DATE 8 September 1979 TIME 0948 MDT
NOTE: WIND DIRECTIONS ARE REFERENCED TRUE NORTH.
HOLOHT METODO ACE

HEIGHT -	METERS	AGL
----------	--------	-----

HEIGHT AGL	DIRECTION DEGREES	SPEED KTS
5 F C		CALM
60	326	02
120	223	01
180	319	03
240	197	03
300	056	03
360	096	03
420	117	05
480	106	02
540	158	01
600	141	05
660	116	08
720	114	07
780	111	09
840	120	09
900	103	07
960	091	09
1020	099	09
1080	094	14

HEIGHTS AGL	DIFECTION DEGREES	SPEED PTS
1140	085	15
1200	099	13
1260	092	14
1320	102	17
1380	101	14
1440	087	17
1500	090	15
1560	076	15
1620	081	16
1680	076	16
1740	079	16
1800	088_	17
1860	083	15
1920	088	17
1980	094	16
2040	093	17
2100		
2160		
2220		1

TABLE 6	
RELEASED FROM NICK DATE 8 Septe	ember 1979 TIME 0935 MDT
RELEASE POINT COORDINATES (WSTM)	$\chi = 470,734.56$ $Y = 255,755.64$ $H = 4126.57$
MISSILE TYPE 19702D GSKS MISSILE N	0. 023 ROUND NO. B-38
MISSILE LAUNCHED FROM LC-33	DATE 8 September 1979 TIME 0948 MDT
NOTE: WIND DIRECTIONS ADD REFERENCE	ED TRUE NORTH.
ULLOUT METERS ACI	

HEIGHT - ME	TERS AGL
-------------	----------

HEIGHT AGL	DIRECTION DEGREES	SPEED KTS
SFC	150	10
60	148	09
120	146	07
180	144	06
240	142	05
300	143	05
360	143	05
420	143	05
480	143	04
540	137	04
600	130	04
660	124	04
720	117	04
780	112	04
840	106	04
900	101	05
960	095	05
1020	088	05
1080	081	04

HE LIGHTS AGL	DIRECTION DEGREES	SPETD 15
1140	074	04
1200	067	03
1260	073	05
1320	079	06
1380	085	06
1440	090	07
1500	091	07
1560	092	_08
1620	093	09
1680	093	_09
1740	090	09
1800	087	09
1860	084	10
1920	080	10
1380	082	10
2040	084	11
2100		
2160	and the second s	
2220		1

TABLE 7
RELEASED FROM NICK DATE 8 September 1979 0948 MDT
RELEASE POINT COORDINATES (WSTM) X= 470.734.56 Y= 255.755.64 H=4126.57
MISSILE TYPE 19702D GSRS MISSILE NO.023 ROUND NO. B-38
MISSILE LAUNCHED FROM LC-33 DATE 8 September 1979 TIME 0948 MDT
NOTE: WIND PIRECTIONS ARE REFERENCED TRUE NORTH.

HEIGHT - METERS AGL

HEIGHT	DIRECTION	SPEED
AGL	DEGREES	KTS
SFC	150	09
60	153	07
120	155	06
180	157	05
240	159	04
300	157	04
360	154	04
420	151	04
480	148	04
540	145	04
600	142	04
660	139	05
720	135	05
780	126	05
840	116	05
900	106	05
960	096	04
1020	090	04
1080	083	04

HEIGHTS	DIRECTION	SPEED
AGL	DEGREES	<u>ETS</u>
1140	076	04
1200	069	04
1260	076	05
1320	083	06
1380	090	06
1440	097	07
1500	095	07
1560	092	07
1620	090	07
1680	087	07
1740	088	09
1800	089	10
1860	090	11
1920	091	12
1980	092	11
2040	093	11
2100		
2160		
2220		

GEODETIC COURDINATES 32.46034 LAT DEG 106.42307 LON DEG																																								
A T A J	REL.HUM. PERCENT	0.64	50.0	·ĸ	n	•	ഗ	N.	Q.	N I	\sim 1	~	Ž	N	∵		m.	.	21.0	~ 1	~ (20 I	~ 1	0 1	O 0	_														
SIGNIFICANT LEVEL D 2510060300 5 M R TABLE 8	TEMPERATURE IR DEWPOINT REES CENTIGHAUE	13.5	-	- r/	10.2	100	α• 1	2.0	6.0	0	•	ġ,	2) · 2) · 1		17.7	244.5	-30.1	t. 97_	1.22.1	- !	7.05-	0 .	┥.	• •	+ :	n • n • 1														
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٠ . ١٥٨	E GEOMETRIC ALTITUDE S MSL FEET	5997.3	0.0	, (6532.1	54.9	9632.3	10509.3	12527.9	13643.3	10305.5	17400.2	18781.9	19414.6	20208.2	21691.0	2231J.6	22958.1	2355.0	6.02443	2-42002	つ・ケナカ/2	27892.6	501+2.7	51915-2	0.40740	3000Z-0	F 2000	44543.1	40013.0	53317.1	54911.4	60622.5	61952.5	6,929	0.60900	55563.9	79550.0	88303.8	1638.
STATION ALTITUDE 3997.30 FEET MSL 8 SEP. 79 0845 HRS MST ASLENSION NO. 300	PRESSURE MILLIBARS	883.0	876.2	0.038	807.6	778.8	722.6	0.007	0.059	023.6	0.400	55.00 p	512.5	ກ•ຄາຣ ຂ້ອນ	0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.	2.104	C • 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.404	0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 () () () () () () () () () (0.005	7.799	9.000	0.23.0 1.23.0 1.00.0 1.	0.000	0.662	0.002	0.006	166.4	150.0	103.6	100.0	8-14	20.0	58.2	55.6	C	ċ,	•	ċ
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SIGNIFICANT LEVEL DATA 25100-0300 5 M R

GEODETIC COOMDINATES 32.44034 LAT LEG 106.42307 LON DEG

TABLE 8 Cont.

TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE

PRESSURE GEOMETRIC ALTITUDE MILLIBARS MSL FEET

REL.HUM. PERCENT

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ATION AL SEP. 79	rITUDE 3	997.30 FEE 0845 HRS	ET MSL MST		UPPER AIR CAT, 2510060300 S M R TARIF 9 Cont.	Cont.		GEODETIC CC 32.4802 106.4230	COORDINATES 48034 LAT DEG 42307 LOW DEG
					,	•			
THIC	PRESSURE	핃,	MPERATURE	REL . HUM.		SPEEU OF	MINL DA	TA	INCEX
FEET	MILLIBARS	AIR DEGREES	CENTIGRADE	ERCENT	GM/CUBIC METER	SOUND KNCTS	DIRECTION DEGREES(TN)	SPEED	OF REFRACTION
ċ	425.3	-14.9	-31.6	22.3	573.5	620.2	77.5	16.7	1.000130
00		-15.2	3	6	•	655.9	•	18.1	1.000127
00	0	-15.5	-34.9	~	52.	1	81.1	18.0	0012
00	0	-16.5	-35.7	~	_	t A	82.9	•	0012
00	7		-36.7	7		ķ	83.2	•	00012
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ġ	346.7	-24.6	-42.1	7		014.2	g.3.	7	\circ
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000	518.7	0.63-	0.55	-4 :	•	606.7	84.3	'n	\sim
•	0.240	-30.4	1.00	t t	•	007.1	81.7	i,	.00010
•	0000	1010	t : 1	ρO			າ. ເ	ů.	60000•
	さってかべ	146	1:1:1	νσ		000	2.00	'n	1.000097
Ö	290.1	-35.2	7.64-	29.4	416.8		82.7	12.0	1.000094
	279.9	-36.3	9.24-	0		9.655	40°5	N	60000
•	273.9	-37.4	ထ	o	9-505		5.92	'n	1.000091
ċ	208.0	138.4	•	59.9		6.055	ZI 00 0	15.6	90000
;	204.1	-39.5	52.	* * * * *	•	542.5	7•6¢	æ	6000
· •	256.3	9.05-	-58.2	*6.2	384.0	594.1	1.85 -	ŧ	•0000
	250.7	-41.7	ŧ	1.4**		265.1	27.7	6	1.000084
•	Z+2.	-42.3			•	291.3	1./6		•0000•
• •	239.5	9.54			-		50.0	'n	90000
• ·	1.402	145.0			•	•	0•05	÷	90000
.	228.9	146.2					55.48	33.4	
.	223.1					•	57.3	ċ	7
	18.	148.4			٠ ب		59.6	ς.	0000
ċ	~	tο			333.1	504.5	57.6	30.0	1.000074
္	Š	0			20.	•	55.U	28.1	0000
ċ	2.	51.			320.2		21.6	÷	0
ċ	"	51.				٠.	47.7	24.3	0000
<u>.</u>	ъ.	53.			2	576.1	45.5	3	_
္ .	ייט	54.			0.2	•	÷	m	1.000067
္ (185.0	-50·0				570.4	ν•.Ο.: Σ•.Ο.:	55.6	1.000000
•	ωo	٥			0 0	* * /	•	÷	1.000065

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE NAS USED IN THE INTERPOLATION.

DETIC COONDINATES 32.44034 LAT DEG 106.42307 LON DEG	INUEX OF REFRACTION	1.000024	O.	0000	20000	1.000021	.0000	70000	1.000019	.0000	910000	70000		•	.00001	10000	.0000	1.000015	0000	1.000014	0000	10000	1.000013	1.000013	10000	1.000012	1.000012		1.00001	.0000	1.000011	.0000	0000	TOOOO	00001	00000	1.000009	
6E0DETIC 32.4 106.4	TA SPEED KNOTS	19.3	æ	18.0	~ ,	16.4	S	S	+ 1	n,	10.1	ľ) C	15.9	S	J	11.3	9 I	7.7	1.7	3 (S	ν ο	10.0	J M	1	15.2	9	8	O.	ດ₁ :	ഗ	σ∙ '	\circ	10	` :	* *	17.0	•
	WIND DATA DIRECTION S DEGREES(1N) K	60.5	80.B	87.1	2.7°	N - 2 × 2 × 2 × 2 × 2 × 2 × 2 × 2 × 2 × 2	67.8	•	69.7	• -4 u	ນ ດ	7 · · · ·) : V	138.5	140.4	158.5	135.4	121.6	105.0	406	200	7.4.4	7.50.7	9.69	5.90	07.1	2.09	7.0 • 1	73.5	٥	ۍ «	· v	•	• 5 c	•	7.06 96.0	i
Cont.	SPEED OF SOUND KNOTS	562.3	20	563.2	503.6	00. 1. 1.	566.7	567.9	503.0	570.1	217.0	0.170	577.4	572.6	574.8	573.0	573.3	573.5	573.7	573.9	274.1	1. 1.0	0 / t • 0	4,70	575.2	575.5	7.676	6.029	570.1	570.3	570.0	577.1	577.0	278.6	570.0	,	ひんな。ないなった	0
UPPER AIR DAT, 2510000300 S M R TABLE 9 Cont.	DENSITY S GM/CUBIC METER	108.4	05.		000	0 4 10		6	٠,	t,	V • 0 0	D 3	0 6	7 /	ં	70.8	•	•		•	9,70		יי הייני הייני	N 30	000 000 000 000	54.1	52.9	51.5	20.05	٠	•	•	າ. ປຸ	•	'n.	• v -	# T - C - C - C - C - C - C - C - C - C -	•
	REL.HUM. PERCENT																																					
3997.30 FEET MSL 0845 HRS MST 0	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	-64.8	-64.5	64.	20.00 20.00	165.7	-61.5		8.00	159.d	7.00.	10/00	0 · C · C · C · C · C · C · C · C · C ·	-57.1	-57.0	-56.8	-56.6	-56-5	-56.3	-56•1	20.00	å	0.7	1 CO 1		.0	•	+	+	+	-	n	ກ•ກທ. ກ•ກທ.	N.	AL I	Š.	-51.6	1
0	PRESSURE MILLIBARS (8.49	• •	÷	1 10) M	6.0	4.6	ر د د د	2 1	. u	ה ה ה	, ,	1.0	5.0	4.0	0.0	7.9	0	٠. و	1.6	56.1	٠ (, C	t (n	3	S	-	0	0	σ	Ω	o t	_	٥	, tc. , t.	,
STATION ALTITUDE 8 SEP. 79 ASLENSION NO. 3	GEUNETRIC ALIITUDE MSL PEET (90	000	4500.	5000.		6500	7000	7500.	0000					1000	1500.	2000	2500.	3000	350B.	• n o o •	1500.			6500	7000	7500.	3000	45¢0•	-0006	9500.	0000	် င	• 000 t	1500.	2000°	82550.0	

TATION B SEP.	11TUDE	3997.30 FEET MSL 0845 HRS MST	-	UPPER AIR UA 251006030J S M R	DATA .		SEODETIC 32.48	ETIC COORDINATES 32-44034 LAT DEG
NO 4 5 1 1 2 2	•			TABLE 9 Co	Cont.			7
GEUNETHIC ALTITUDE MSL FELT	PRESSURE MILLIBARS	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION S DEGREES(IN) K	TA SPEED KNOTS	INDEX OF REFRACTION
d3500.0	25.0	-50.8			581.0	64.7	15.0	1.000009
3	54.4	-50.3		38.2	581.5	92.4	16.1	1.000008
200	23.9	6.61-		•	582.1	90.5	17.3	.00000
٥	25.3	2.67-			582.6	80.7	18.5	.00000
000	22.8	1.64-		35.4		4٠٢٥	20.5	\sim
000	22.3	-48.6		•	565.7	87.3	21.9	00000•
900	21.7	-48.2		33.7	584.3	86.7	23.7	.0000
0.00020	21.2	8.24-		32.6	•	9	23.9	1.00007
000	20.8	h•/h-		3<.0	•	6.00	23.6	0000.
ġ	20.3	0.44-		31.2	585.9	97.⊓	23.4	• 00000
000	19.8	146.5		30.5	5000	6.76	22.4	1.000007
ခွဲ ဂ	19.4	-46.1		29.7	587.1	7 · 8 · ·	20.9	1.000007
ن	18.9 1	9*5*6		29.0	587.7	h•68	19.5	1.000000
0	18.5	145.1		23.3	588.3	9.06	18.2	1.000006
၌	18.1	L-44.7		27.0	9.58¢	93.0	17.1	٠
် ၁	17.7	144.0		20.9	589.5	95.4	16.1	•
ှ် က	17.3	-43.7		20.3	590.1	9.7.c	15.1	1.000006
90	16.9	43.6		25.7	5.055	6.76	14.1	1.000006
ခဲ့ လ	16.5	-43.6		25.1	590.3	1.86	13.2	1.000006
000	797	-43.5		24.6	540.0	7.96	12.3	1.000005
	15-3	143.5		24.0	5.059	94.1	12.2	1.000005
٠ د	15.5	143.5		23.5	590.4	89.3	12.4	1.000005
ġ,	15-1	-43.5		5,49	590.4	2.+0	12.7	1.000005
000	74.8	143.5		24.4	540.4	5·40	13.4	
် လို	14.5	14.3.4		21.9	5-066	⊅• 6,20	14.5	1.000005
000	14.1	したの・た		51.4	540.5	93.1	15.7	1.060005
900	13.8	143.4		21.0	590.5	5.06	16.9	1.000005
000	13.5	1 たい・ た		20.5	4.064			0
50°0	13.2	1400・14		20.0	9.065			1.000004
000	12.9	-43.3		19.6	590.0			1.000004
ರ್ಷ-೧೯	17.6	-43+3			590.0			1.000004
9000 .	12.4	143+3		10.7	0.060			1.000004
,9500.	12.1	143.43		•	2,065			1.000004
00000	-	•		•	5,063			
0.000001		'n		17.5	540.7			•
01000.	:	-43.2		•	590.7			1.000004

N ALIITUDE 3997.30 FEET MSL . 79 0045 HRS MST	IT MSL MST	Σ	MANDATORY LEVELS 2510050300 S M R	EVELS 00		GEODETIC COORDINATES 32-46034 LAT DEG
2			TABLE 10			100000000000000000000000000000000000000
PRESSURE 6	PRESSURE GEOPOTENTIAL	TEMP	TEMPERATURE OFFICATION	KEL . HUM.	ATAC CAIW	A
MILLIBARS	FEET	S	CENTIGRADE	דראלביי	DEGREES (TN)	KNOTS
850.0	5082.	20.7	11.3	, 55.	160.7	6.5
800.0	6792.	16.8	10.2	65.	120.2	7.0
750.0	8592	14.3	7.4	• 29	50.7	13.0
700.0	10499.	11.5	2•0	52.	4.56	17.9
650.0	12514.	9.9	-8.9	32.	102.3	25.3
0.009	14056.	2.4	-10.2	.60	80.0	6•92
550.0	16939.	-3.7	78-	7.1.	66.3	カ・カご
500.0	19387	-6.9	-15.1	52.	26.0	19.1
450.0	22056.	-13.0	-27.0	29.	72.8	12.8
0.004	24984.	-16.5	-35.7	17.	85.9	17.7
350.0	28224.	-24.1	-41.3	13.	0.49	17.3
300.0	31851.	-32.8	2.44-	.63	6.62	12.1
250.0	35983.	-41.8			57.7	24.2
200.0	40828•	-51.8			#8#	24.6
175.0	43035.	-57.5			47.3	20.1
150.0	46785.	-63.0			56.7	16.6
125.0	50418.	-68.5			75.5	11.0
100.0	24740.	-73.6			26.7	0.2
80.0	£8065	-67.6			6.66	10.8
20.07	61739.	-65.8			84.5	10.4
0.09	64825.	-63.8			87.2	17.5
20.0	68544.	-57.7			100.8	13.6
0.04	73181.	-56.1			107.6	7.7
30.0	79209.	-54.1			77.0	25.8
25.0	83076·	-50.8			2.46	15.1
20.0	07880.	-46.7			67.2	20.1
15.0	94213.	0.04 <u>-</u>			83.5	12.8

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE "AS USED IN THE INTERPOLATION.